

a plurality of through-contacts providing electrical connectivity to said plurality of ground surfaces;

wherein the waveguide includes a waveguide wall with an opening therein, said substrate projecting through said opening into the waveguide such that at least a portion of the microstrip is disposed within the waveguide, at least one of said plurality of ground surfaces being in contact with said waveguide wall.

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9. (New) The transition of claim 8, further comprising a through-plating in said substrate at an end of the microstrip, said through-plating disposed within the waveguide; wherein said end of the microstrip acts as an antenna.

10. (New) The transition of claim 8, wherein said plurality of ground surfaces include a first ground surface and a second ground surface, said first ground surface being superimposed on a surface of said substrate adjacent to a side of the microstrip and said second ground surface being superimposed on a surface of said substrate adjacent to an other side of the microstrip, said first and second ground surfaces being in contact with other of said plurality of ground surfaces via at least one of said plurality of through-contacts.

5 11. (New) The transition of claim 8, further comprising:
at least one screw; and
a support disposed proximate said waveguide wall, said substrate being fixedly connected to said support by said at least one screw;

wherein said at least one screw extends through said plurality of ground surfaces making electrical contact between said ground surfaces and said support.

12. (New) The transition of claim 11, further comprising a conductive ribbon, wherein said at least one screw lies with its head on one of said plurality of ground surfaces applied to an